Arkansas **Grade 7**

LineUp With Math™ Alignment
Arkansas Mathematics Curriculum Framework

Strand: Number and Operations

Standard 3: Numerical Operations and Estimation
Students shall compute fluently and make reasonable estimates

Student Learning Expectation	*LineUp With Math™* Activities
NO.3.7.6 Solve, with and without *technology*, real world *percent* problems Ex. I=PRT	--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

Strand: Algebra

Standard 7: Analysis of Change
Students shall analyze change in various contexts

Student Learning Expectation	*LineUp With Math™* Activities
A.7.7.1 Use, with and without appropriate *technology*, tables and graphs to compare and identify situations with constant or varying *rates* of change	--Use an interactive simulator to identify distance, rate, time conflicts in air traffic control problems and resolve the conflicts by varying plane speeds.

Strand: Measurement

Standard 12: Physical Attributes
Students shall use attributes and tools of measurement to describe and compare mathematical and real-world objects

Student Learning Expectation	*LineUp With Math™* Activities
M.12.7.2 Understand relationships among units within the same system	--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

Standard 13: Systems of Measurement
Students shall identify and use units, systems and processes of measurement

Student Learning Expectation	*LineUp With Math™* Activities
M.13.7.1 Solve real world problems involving two or more *elapsed times*, counting forward and backward (calendar and clock)	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.